

Claims

1. System for treating fluids, especially water, in a pipe to resist scale deposits from building up in the pipe, comprising
 - 5 - a field generating coil mounted exteriorly of the pipe,
 - an electronic circuit for energising the coil to develop an alternating electromagnetic field in the fluid,
 - a sensor for sensing a parameter related to the functioning of the system and for generating a parameter dependent signal,
 - 10 - a feed back circuit for feeding back said parameter dependent signal to said electronic circuit to control said circuit,
 - characterised in that
 - the sensor comprises a field measuring coil mounted exteriorly of said pipe near the field generating coil,
 - 15 - the feed back circuit comprises the electronics which together with said measuring coil acts as a field strength meter.
2. System according to claim 1, characterised in that, the measuring coil is positioned alongside the field generating coil with no or small intermediate distance.
- 20 3. System according to claim 1 or 2, characterised in that the electronic circuit for energising the coil comprises an amplifier and a signal generator, whereby the amplification value is adjusted dependent on the signal from the field strength meter.
- 25 4. System according to one of the preceding claims, characterized in that the feedback circuit comprises a band pass filter.